

Serial No.: 10/762,521

Art Unit: 3611

Examiner: LUM VANNUCCI, Lee Sin Yee

Page 2 of 11

IN THE CLAIMS

1. **(Currently Amended)** A vehicle comprising:
 - a. a frame comprising a plurality of frame members;
 - b. an engine disposed on the frame;
 - c. a straddle seat disposed on the frame for accommodating a rider;
 - d. a handlebar disposed on the frame for steering the vehicle;
 - e. a front suspension disposed on the frame;
 - f. at least a front wheel disposed on the front suspension;
 - g. a rear suspension disposed on the frame, the rear suspension comprising a rear swing arm pivotally connected to the frame at a swing arm pivot axis and a shock absorber operatively disposed between the frame and the rear swing arm;
 - h. at least one rear wheel disposed on the rear swing arm; and
 - i. a continuously variable transmission operatively connecting the engine to the at least one rear wheel, the continuously variable transmission comprising a housing that comprises at least one of the plurality of frame members.
2. **(Original)** The vehicle of claim 1, wherein the frame is a unitary structure.
3. **(Original)** The vehicle of claim 1, wherein a load transmitted to the frame by the rear swing arm is borne by the housing.

Serial No.: 10782,521

Art Unit: 3611

Examiner: LUM VANNUCCI, Lee Sin Yee

Page 3 of 11

4. **(Original)** The vehicle of claim 1, wherein a load transmitted to the frame by the swing arm is borne by the housing and the rear shock absorber.
5. **(Currently Amended)** The vehicle of claim 1, wherein the continuously variable transmission further comprises a drive pulley and a driven pulley, the driven pulley comprising a centrifugal clutch and the driven pulley has a driven pulley axis ~~and a ramp, the centrifugal clutch and the ramp being proximally disposed on the driven pulley.~~
6. **(Original)** The vehicle of claim 4, wherein the vehicle has only one front wheel and one rear wheel.
7. **(Original)** The vehicle of claim 4, wherein the vehicle has two front wheels and one rear wheel.
8. **(Original)** The vehicle of claim 4, wherein the vehicle has two front wheels and two rear wheels.
9. **(Original)** The vehicle of claim 4, wherein the frame members are separately manufactured.
10. **(Original)** The vehicle of claim 1, wherein the frame defines a storage bin between the handlebar and the seat that is sized to accommodate a helmet.
11. **(Currently Amended)** The vehicle of claim 5~~[[1]]~~, wherein ~~the continuously variable transmission further comprises a drive pulley and a driven pulley, the~~ swing arm pivot axis being is substantially aligned with the driven pulley axis.
12. **(Original)** The vehicle of claim 11, wherein the driven pulley axis is coaxial with the swing arm pivot axis.

Serial No.: 10/762,521

Art Unit: 3611

Examiner: LUM VANNUCCI, Lee Sin Yee

Page 4 of 11

13. (Original) The vehicle of claim 1, wherein the housing is the lowest-most frame member.
14. (Currently Amended) A vehicle comprising:
- a. a frame comprising a plurality of frame members;
 - b. a continuously variable transmission comprising a drive pulley, a driven pulley and a housing, the driven pulley having an axis and the housing comprising one of the plurality of frame members;
 - c. a gearbox disposed proximal to the driven pulley;
 - d. a centrifugal clutch operatively connected to the driven pulley, the centrifugal clutch having a center of rotation defining an axis, the axis being substantially coaxial with the driven pulley;
 - e. an engine disposed on the frame;
 - f. a straddle seat disposed on the frame for accommodating a rider;
 - g. a handlebar disposed on the frame for steering the vehicle;
 - h. a front suspension disposed on the frame;
 - i. at least a front wheel disposed on the front suspension;
 - j. a rear suspension disposed on the frame;[[and]]
 - k. a swing arm pivotally mounted to the frame about a pivot axis; and
 - l. at least a rear wheel disposed on the swing arm.

Serial No.: 10/762,521

Art Unit: 3611

Examiner: LUM VANNUCCI, Lee Sin Yee

Page 5 of 11

15. **(Original)** The vehicle of claim 14, wherein the gearbox is a planetary type gearbox.
16. **(Original)** The vehicle of claim 15, wherein the planetary type gearbox has a center of rotation defining an axis, the axis being substantially coaxial with the driven pulley axis.
17. **(Cancelled)**
18. **(Original)** The vehicle of claim 14, further comprising a brake, the brake having a center of rotation defining an axis, the axis being substantially coaxial with the driven pulley.
19. **(Currently Amended)** The vehicle of claim 14, further comprising a drive system including a drive sprocket and a driven sprocket, the drive sprocket having a center of rotation defining an axis, the axis being substantially coaxial with the driven pulley.
20. **(Original)** A vehicle comprising:
 - a. a frame including a plurality of frame members;
 - b. an engine disposed on the frame;
 - c. a straddle seat disposed on the frame for accommodating a rider;
 - d. a handlebar disposed on the frame for steering the vehicle;
 - e. a front suspension disposed on the frame;
 - f. at least a front wheel suspended from the front suspension;

Serial No.: 10/762,521

Art Unit: 3611

Examiner: LUM VANNUCCI, Lee Sin Yee

Page 6 of 11

- g. a rear suspension disposed on the frame, the rear suspension comprising a shock absorber;
- h. a storage bin disposed between the handlebar and the straddle seat that is sized to accommodate at least one helmet;
- i. a continuously variable transmission disposed on the frame, the continuously variable transmission being completely supported by the front suspension and the rear suspension;
- j. a swing arm pivotally mounted to the frame about a pivot axis; and
- k. a frame member means for transmitting power from the engine to the wheel.